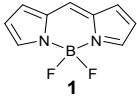
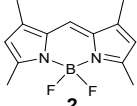
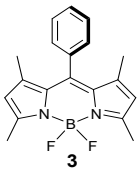
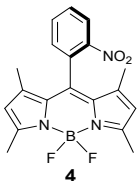
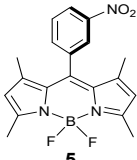
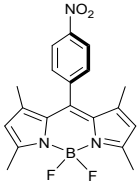
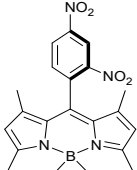
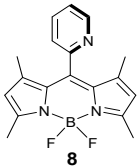
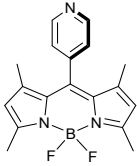
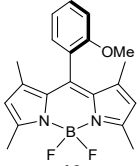
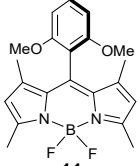
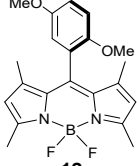
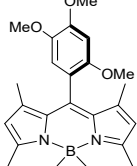
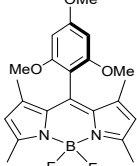
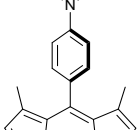
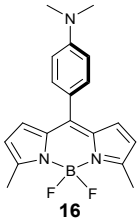
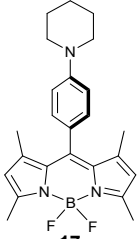
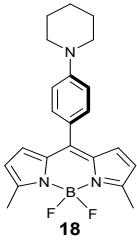
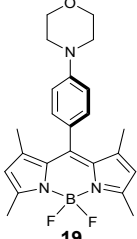
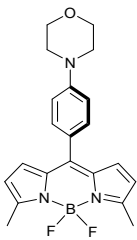
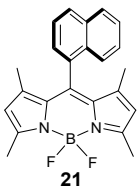
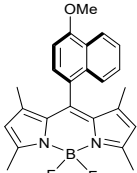
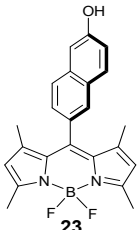
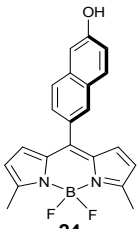
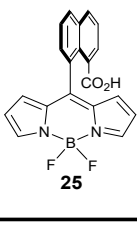
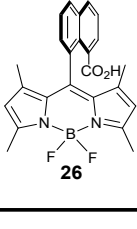
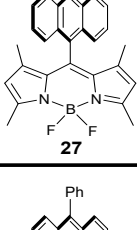
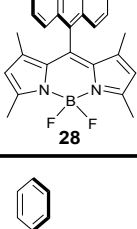
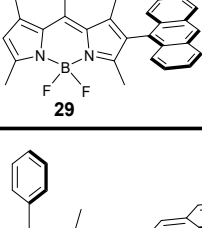
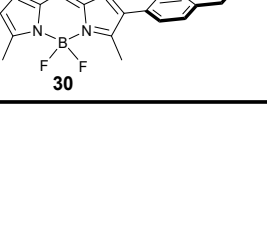


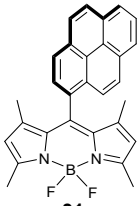
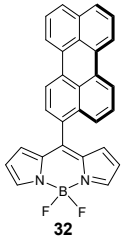
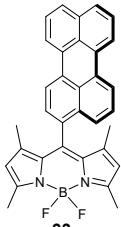
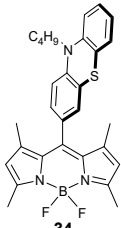
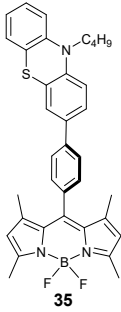
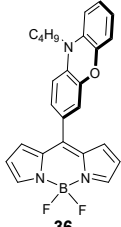
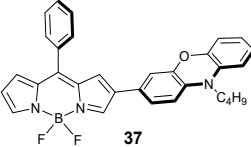
Table S1. BODIPY dataset.

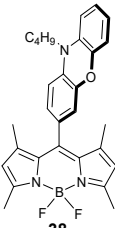
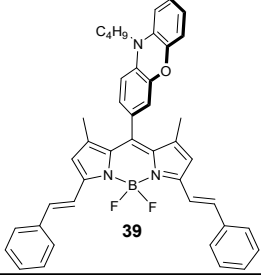
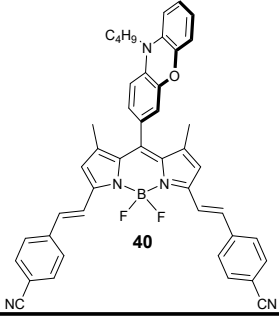
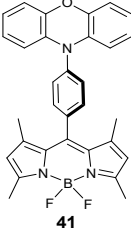
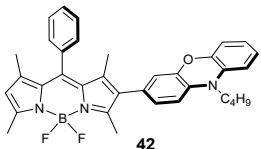
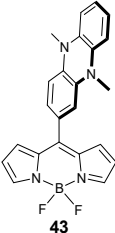
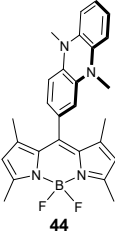
Structure	Solvent	Φ_A	Φ_{FI}	Comment	Reference
 1	hexane	0.066	0.92		1
	toluene	0.12	0.79		1
	THF	0.071	0.86		1
	MeOH	0.083	0.96		1
 2	hexane	0.03	0.78		2
	toluene	0.061	0.74		2
	CCl ₄	0.100	0.81		2
	CH ₂ Cl ₂	0.062	0.74		2
	THF	0.091	-	Not reported	2
	EtOH	0.058	0.8		2
	CH ₃ CN	0.069	0.81		2
 3	hexane	0.038	0.56		3
	toluene	0.023			4
	EtOAc	0.052	0.58		3
	THF	0.13	0.56		4
	pinacolone	0.11	0.55		3
	acetone	0.050	0.46		3
	EtOH	0.030	-	Not reported	4
	MeOH	0.031	0.58		3
 4	hexane	0.018	0.023		3
	EtOAc	0.027	0.016		3
	THF	0.026	0.05		3
	pinacolone	0.079	0.0064		3
	acetone	0.051	0.0038		3
	MeOH	0.0083	0.027		3
	CH ₃ CN	0.020	0.0032		3
 5	hexane	0.01	0.42		3
	EtOAc	0.031	0.23		3
	THF	0.028	0.25		3
	pinacolone	0.07	0.074		3
	acetone	0.029	0.07		3
	MeOH	0.0062	0.14		3
	CH ₃ CN	0.0044	0.019		3
 6	hexane	0.0067	0.19		3
	EtOAc	0.021	0.14		3
	THF	0.019	0.11		3
	pinacolone	0.047	0.047		3
	acetone	0.0093	0.027		3
	MeOH	0.0036	0.03		3
	CH ₃ CN	0.0043	0.015		3
	hexane	0.021	0.033		3
	EtOAc	0.026	0.025		3
	THF	0.026	0.0087		3
	pinacolone	0.073	0.012		3
	acetone	0.012	0.0091		3
	MeOH	0.0055	0.045		3

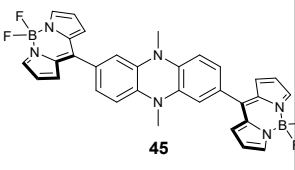
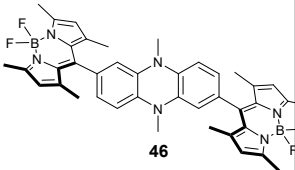
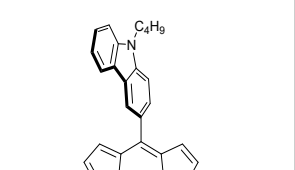
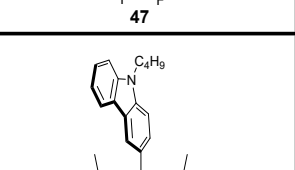
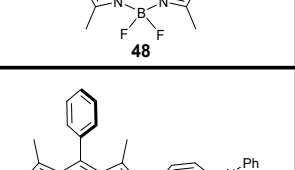
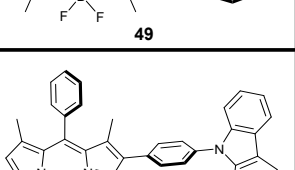
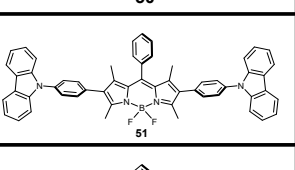
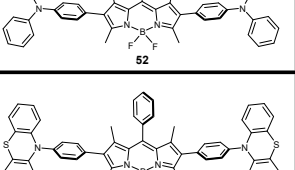
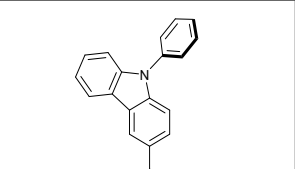
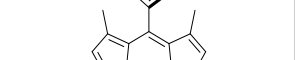
	CH ₃ CN	0.0049	0.0033		3
 8	hexane	0.0052	0.059		3
	EtOAc	0.0039	0.062		3
	THF	0.012	0.061		3
	pinacolone	0.012	0.04		3
	acetone	0.012	0.049		3
	MeOH	0.013	0.071		3
	CH ₃ CN	0.024	0.038		3
 9	hexane	0.0091	0.25		3
	EtOAc	0.032	0.38		3
	THF	0.024	0.33		3
	pinacolone	0.020	0.17		3
	acetone	0.031	0.2		3
	MeOH	0.012	0.12		3
	CH ₃ CN	0.037	0.13		3
 10	hexane	0.029	0.98		5
	EtOAc	0.057	0.76		5
	THF	0.061	0.87		5
	pinacolone	0.078	0.74		5
	acetone	0.17	0.78		5
	MeOH	0.021	0.69		5
	CH ₃ CN	0.18	0.57		5
 11	hexane	0.040	0.71		5
	EtOAc	0.073	0.47		5
	THF	0.051	0.64		5
	pinacolone	0.081	0.64		5
	acetone	0.082	0.72		5
	MeOH	0.036	0.58		5
	CH ₃ CN	0.18	0.54		5
 12	hexane	0.026	0.971		6
	EtOAc	0.178	0.499		6
	THF	0.462	0.457		6
	pinacolone	0.680	0.481		6
	acetone	0.250	0.059		6
	MeOH	0.023	0.037		6
	CH ₃ CN	0.125	0.01		6
 13	hexane	0.114	0.863		6
	EtOAc	0.291	0.004		6
	THF	0.357	0.005		6
	pinacolone	0.392	0.004		6
	acetone	0.068	0.003		6
	MeOH	0.004	0.003		6
	CH ₃ CN	0.033	0.001		6
 14	hexane	0.024	0.95		5
	EtOAc	0.063	0.64		5
	THF	0.059	0.78		5
	pinacolone	0.16	0.69		5
	acetone	0.11	0.8		5
	MeOH	0.074	0.68		5
	CH ₃ CN	0.31	0.55		5
	hexane	0.102	0.441		7
	EtOAc	0.412	0.011		7
	THF	0.623	0.014		7
	pinacolone	0.490	0.015		7
	acetone	0.114	0.009		7

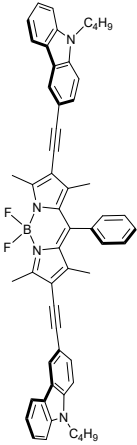
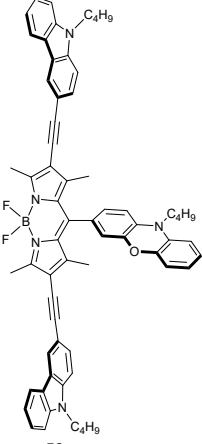
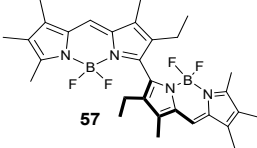
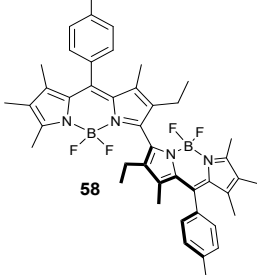
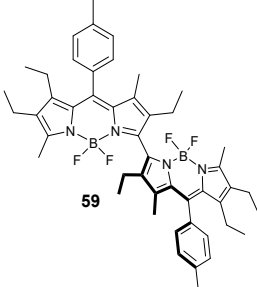
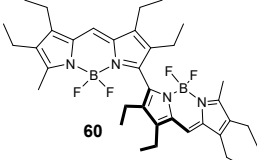
	MeOH	0.073	0.003		7
	CH ₃ CN	0.062	0.005		7
 16	hexane	0.23	0.376		7
	EtOAc	0.171	0.013		7
	THF	0.321	0.011		7
	pinacolone	0.439	0.024		7
	acetone	0.087	0.006		7
	MeOH	0.019	0.03		7
	CH ₃ CN	0.052	0.008		7
 17	hexane	0.058	0.384		7
	EtOAc	0.511	0.006		7
	THF	0.612	0.008		7
	pinacolone	0.644	0.024		7
	acetone	0.145	0.002		7
	MeOH	0.037	0.01		7
	CH ₃ CN	0.083	0.005		7
 18	hexane	0.258	0.341		7
	EtOAc	0.220	0.005		7
	THF	0.401	0.008		7
	pinacolone	0.457	0.004		7
	acetone	0.099	0.002		7
	MeOH	0.046	0.003		7
	CH ₃ CN	0.057	0.002		7
 19	hexane	0.120	0.45		7
	EtOAc	0.676	0.029		7
	THF	0.535	0.011		7
	pinacolone	0.588	0.063		7
	acetone	0.192	0.001		7
	MeOH	0.038	0.002		7
	CH ₃ CN	0.083	0.001		7
 20	hexane	0.225	0.388		7
	EtOAc	0.290	0.008		7
	THF	0.338	0.004		7
	pinacolone	0.281	0.002		7
	acetone	0.100	0.002		7
	MeOH	0.008	0.005		7
	CH ₃ CN	0.033	0.02		7
 21	hexane	0.05	0.87		4
	toluene	0.043	0.77		4
	THF	0.13	0.85		4
	EtOH	0.041	0.9		4
	CH ₃ CN	0.057	0.83		4
 22	hexane	0.011	0.906		6
	EtOAc	0.165	0.411		6
	THF	0.232	0.438		6
	pinacolone	0.460	0.479		6
	acetone	0.471	0.389		6
	MeOH	0.274	0.648		6

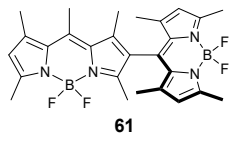
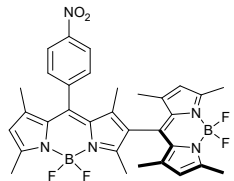
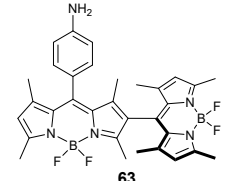
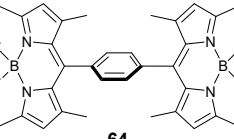
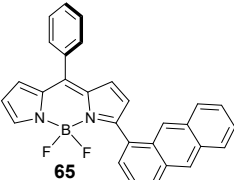
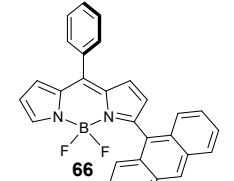
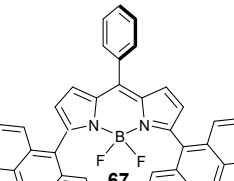
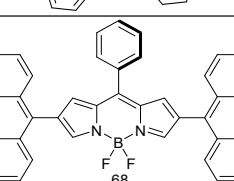
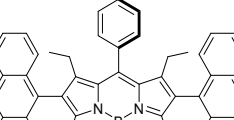
	CH ₃ CN	0.872	0.123		6
 23	hexane	0.047	0.637		6
	EtOAc	0.104	0.695		6
	THF	0.442	0.581		6
	pinacolone	0.382	0.621		6
	acetone	0.111	0.483		6
	MeOH	0.131	0.11		6
	CH ₃ CN	0.081	0.118		6
 24	hexane	0.116	0.269		6
	EtOAc	0.106	0.129		6
	THF	0.19	0.167		6
	pinacolone	0.317	0.11		6
	acetone	0.070	0.101		6
	MeOH	0.046	0.03		6
	CH ₃ CN	0.011	0.092		6
 25	hexane	n.d.	0.92		2
	toluene	0.066	-	Not Reported	2
	CCl ₄	0.15	-	Not Reported	2
	CH ₂ Cl ₂	0.20	0.3		2
	THF	0.15	0.7		2
	EtOH	0.30	0.42		2
	CH ₃ CN	0.084	0.45		2
 26	hexane	0.066	0.92		2
	toluene	0.038	0.86		2
	CCl ₄	0.061	-	Not Reported	2
	CH ₂ Cl ₂	0.068	0.89		2
	THF	0.066	0.79		2
	EtOH	0.18	0.81		2
	CH ₃ CN	0.092	0.57		2
 27	hexane	0.01	0.99		8
	toluene	0.045	0.92		4,8
	THF	0.21	0.36		4
	EtOH	0.53	0.038		8
	CH ₃ CN	0.22	0.009		4
 28	hexane	0.04	0.9		8
	toluene	0.10	0.81		9
	EtOH	0.59	0.02		8
	CH ₃ CN	0.84	0.01		9,8
 29	toluene	0.20	0.39		9
	CH ₂ Cl ₂	0.24	0.1		9
	CH ₃ CN	0.11	0.01		9
 30	toluene	0.11	0.42		9
	CH ₂ Cl ₂	0.13	0.2		9
	CH ₃ CN	0.05	0.04		9

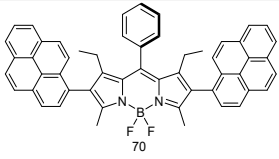
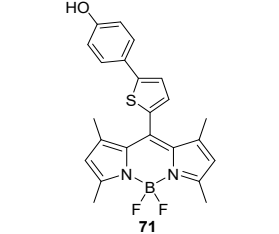
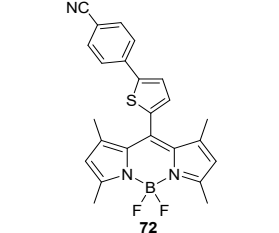
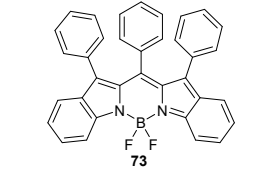
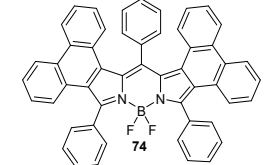
 31	hexane	0.01	0.967		10
	toluene	0.086	0.83		4
	THF	0.20	0.94		4
	EtOH	0.34	0.651		10
	CH ₃ CN	0.34	0.59		4
 32	hexane	0.1	0.381		11
	toluene	0.31	0.067		12
 33	toluene	0.18	0.619		11
	THF	0.21	0.082		11
	CH ₂ Cl ₂	0.42	0.037		11
	CH ₃ CN	0.11	0.017		11
 34	hexane	0.349	-	Not reported	13
	toluene	0.673	-	Not reported	13
	CH ₂ Cl ₂	0.013	-	Not reported	13
 35	hexane	0.018	-	Not reported	13
	toluene	0.246	-	Not reported	13
 36	hexane	0.28	-	Not reliable	14
	toluene	0.08	-	Not reliable	14
 37	toluene	0.02	0.0004		14

 38	hexane	0.11	0.155		14
	toluene	0.42	-	Not reliable	14
 39	toluene	0.23	0.393		15
 40	hexane	0.05	0.354		15
	toluene	0.18	0.018		15
 41	hexane	0.01	0.303		14
	toluene	0.39	0.019		14
 42	hexane	0.02	0.16		14
	toluene	0.04	0.033		14
 43	toluene	0.01	0.0012		16
	THF	0.003	-	Not reported	16
 44	cyclohexane	0.04	-	Not reported	16
	toluene	0.014	0.001		16
	THF	0.006	-	Not reported	16
		S7			

 45	toluene	0.001	0.005		16
	THF	0.008	-	Not reported	16
	CH ₃ CN	0.009	-	Not reported	16
 46	cyclohexane	0.30	-	Not reported	16
	toluene	0.05	0.0013		16
	THF	0.004	-	Not reported	16
 47	toluene	0.033	0.2		17
	CH ₂ Cl ₂	0.58	0.04		17
	CH ₃ CN	0.024	-	Not reported	17
 48	toluene	0.023	0.83		17
	CH ₂ Cl ₂	0.082	0.72		17
	CH ₃ CN	0.54	0.18		17
 49	toluene	0.083	0.38		17
	CH ₂ Cl ₂	0.026	0.15		17
 50	toluene	0.09	0.82		18
 51	toluene	0.11	0.81		18
 52	toluene	0.19	0.31		18
 53	toluene	0.32	0.09		18
 58	toluene	0.02	0.59		17
	CH ₂ Cl ₂	0.043	0.52		17

 55	hexane	0.03	0.462		15
	toluene	0.04	0.36		15
 56	Hexane	0.04	0.484		15
	toluene	0.12	0.299		15
 57	toluene	0.4	0.71		19
	CH ₂ Cl ₂	0.5	0.56		19
 58	toluene	0.4	0.67		19
	CH ₂ Cl ₂	0.5	0.6		19
 59	toluene	0.3	0.69		19
	CH ₂ Cl ₂	0.5	0.62		19
 60	toluene	0.3	0.76		19

	CH ₂ Cl ₂	0.5	0.63		19
 61	toluene	0.24	0.804		20
	CHCl ₃	0.75	0.22		21
	THF	0.86	0.17		21
	CH ₂ Cl ₂	0.64	-	Not reported	20
	acetone	0.5	0.84		21
	CH ₃ CN	0.25	0.01		21
 62	toluene	0.44	0.033		20
	CH ₂ Cl ₂	0.20	-	Not reported	20
 63	toluene	0.144	0.628		20
	CH ₂ Cl ₂	0.68	-	Not reported	20
	CH ₃ CN	0.112	0.001		20
 64	toluene	0.01	0.573		20
	CH ₂ Cl ₂	0.09	-	Not reported	20
	CH ₃ CN	0.03	0.007		20
 65	Hexane	-	0.123	Not reported	22
	toluene	0.071	0.265		22
	CH ₂ Cl ₂	0.12	0.205		22
	THF	-	0.187	Not reported	22
	CH ₃ CN	-	0.013	Not reported	22
 66	Hexane	0.065	0.096		22
	toluene	0.33	0.121		22
	CH ₂ Cl ₂	0.12	0.027		22
	THF	0.061	0.021		22
	CH ₃ CN	-	0.003	Not reported	22
 67	Hexane	0.12	0.173		22
	toluene	0.37	0.166		22
	CH ₂ Cl ₂	0.25	0.062		22
	THF	0.089	0.05		22
	CH ₃ CN	0.027	0.008		22
 68	Hexane	0.023	0.077		22
	toluene	0.011	0.025		22
	CH ₂ Cl ₂	-	0.004	Not reported	22
	THF	-	0.003	Not reported	22
	CH ₃ CN	0.005	0.002		22
 69	Hexane	0.22	0.617		23
	toluene	0.289	0.513		23
	THF	0.307	0.291		23
	CH ₂ Cl ₂	-	0.207	Not reported	23

	EtOH	0.299	0.094		23
	CH ₃ CN	0.14	0.025		23
 70	Hexane	0.18	0.676		23
	toluene	0.203	0.634		23
	THF	0.185	0.445		23
	CH ₂ Cl ₂	-	0.352	Not reported	23
	EtOH	0.19	0.191		23
	CH ₃ CN	0.09	0.078		23
 71	Hexane	0.007	0.028		24
	toluene	0.046	0.039		24
	CH ₂ Cl ₂	0.441	0.019		24
	CH ₃ CN	0.175	0.0001		24
 72	Hexane	-	0.023	Not reported	24
	toluene	0.026	0.028		24
	CH ₂ Cl ₂	0.012	0.031		24
	CH ₃ CN	0.026	0.020		24
 73	Hexane	0.026	0.001		25
	toluene	0.058	0.0009		25
	CH ₂ Cl ₂	0.028	0.0002		25
	CH ₃ CN	0.023	-	Not Reported	25
 74	Hexane	-	0.696	Not Reported	25
	toluene	-	0.74	Not Reported	25
	CH ₂ Cl ₂	-	0.723	Not Reported	25
	CH ₃ CN	0.055	0.644	Not Reported	25